

A b s t r a c t

The invention relates to a device and a method of controlling a welding apparatus (1), whereby individual welding parameters can be set in the form of a welding job (35 to 39) by means of a first control unit (22) hard-wired to or integrated in the welding apparatus (1), and several such welding jobs (35 to 39) can be stored in a memory device (28) and, by selecting a welding job (35 to 39) by means of the first control unit (22), the welding apparatus (1) and the components of the welding system are activated on the basis of the parameters stored therein by a control system (4), and when a second control unit (29) is operated, a start signal is sent to the control system (4) in order to start the welding operation. The start signal or a control signal is thus generated by the push-button element (30) of the second control unit (29) and, before the welding operation is started, a selection or switch is made between the individual stored welding jobs (35 to 39) by means of the control signal and/or if the start signal is generated by means of the same push-button element (30), a start-up of the welding operation is run.

(Fig. 1)